THE AIR FORCE SCHOOL : SUBROTO PARK : DELHI CANTT-110010

Class – X

Sub: MATHEMATICS

Weekly Syllabus (Tentative)

Academic Session 2024-25

Month	Week	Dates		Days	No of Periods	Chapter	Contents	Syllabus
Mar 24	Block Teaching					CH 8:Introduction to trigonometry	Introduction Trigonometric Ratios Ex-8.1 trigonometric Ratios of some specific angles Ex-8.2	
Apr-24	I	01-06	**06-Working Saturday (Staff)**	05		CH 8:Introduction to trigonometry	trigonometric Identities Ex-8.3 Extra questions on trigonometry	
	II	08-12	**11 – Id-ul-Fitr**	04		CH1 : Real numbers	Introduction The fundamental theorem of arithmetic Ex 1.1 Revisiting irrational numbers Ex 1.2	

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	III	15-19	**14 - Ambedakar Jayanti** **17 – Ram Navami** **21 - Mahavir Jayanti**	04		CH2: Polynomials	Introduction Geometric meaning of zeroes of a polynomial Ex 2.1	
	IV	22-27	**27-Working Saturday (Student)**	06		CH2:Polynomials CH3:Pair of linear equations in two variables	Relationship between zeroes and coefficients of a polynomial Ex 2.2 Introduction Graphical method of solution of pair of linear equations	
	V	29-30		02		CH3:Pair of linear equations in two variables	Ex 3.1 Algebraic methods of solving a pair of linear equation	
May-24	I	01-03	**01-03 : ES-1 (XII)/ CT-1 (X)**	03		CH3:Pair of linear equations in two variables	Substitution method Ex 3.2	**ES-1 (XII)/ CT-1 (X)** **Date: 01-07 May** Ch.-8 Introduction toTrigonometry Ch.-1 Real numbers
	II	06-10	**06-07 : ES-1 (XII)/ CT-1 (X)** **09,10 – The Quest**	05		CH3:Pair of linear equations in two	Elimination method	

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						variables	Ex 3.3	
	III	13-18	**18- Working Saturday (Open House X & XII)**	06		CH6:Triangles	Introduction Similar figures Ex 6.1	
******* SUMMER BREAK 20 MAY -30 JUN 2024 ********								
Jul-24	I	01-06	01- School reopens for staff **06-Working Saturday (Student)**	05		CH6:Triangles	Similarity of triangles Ex 6.2 Criteria for similarity of triangles Ex 6.3	**PT-I** **Class VI-X Date: 05 Jul – 12Jul** Ch -1 Real numbers Ch.-2 Polynomial Ch.-3 • Pair of Linear Equations in two variables Ch.-8 • Introduction to Trigonometry **ES-2 (XII): 05 Jul – 12Jul**
	II	08-12		05		CH6:Triangles	Ex 6.3 continued	
	III	15-19	**17-Muharram**	04		CH7:Coordinate geometry	Introduction Distance formula Ex 7.1	
	IV	22-27	**27 – Working Saturday (Students)**	06		CH7:Coordinate geometry	Ex 7.1 continued	
	V	29-31		03		CH7:Coordinate	Section formula	

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						geometry	Ex 7.2	
Aug-24	I	01-03	**03 – Working Saturday (Open House (VI-X), XII)**	03		CH14:Probablility	Probability a theoretical approach Ex 14.1	
	II	05-09		05		CH4:Quadratic equations	Introduction Ex 4.1 Solution of a quadratic equation Solution of a quadratic equation by factorization Ex 4.2 Nature of roots Ex 4.3	
	III	12-16	**15 – Independence Day**	04		CH13:Statistics	Introduction Mean of group data Ex 13.1	
	IV	19-23	**19-Raksha Bandhan**	04		CH13:Statistics	Mode of group data Ex 13.2 Median of group data Ex 13.3	**ES-1 (XI):**
	V	26-31	**26-Janmashtami**	05				

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			31-Working Saturday (Students) **31-Annual Prize Distribution**			REVISION	REVISION	
Sep-24	I	02-06		05		Mid Term/ HYE Exam (from 2 September to 14 September) CH9: Some applications of trigonometry CH11: Areas related to circles		**Mid Term (PT-II)/ HYE** **Date 09-24 Sep** Ch.-1 Real Numbers Ch.-2 Polynomial Ch.-3 Pair of Linear Equations in two variables Ch.-4Quadratic Equations Ch.-6 Triangles Ch.-7 Coordinate Geometry Ch.-8 Introduction to Trigonometry Ch-13 Statistics Ch.-14 Probability
	II	09-14	**14 – Working Saturday (Students)**	06				
	III	16-21	**16-Milad-un-Nabi** **21 – Working Saturday (Students)**	05				
	IV	23-27		05				
	V	30		01		CH10:Circles	Introduction	
Oct-24	II	01-05	**02-Mahatma Gandhi's Birthday** **05-Annual Prize Distribution**	04		CH10:Circles	Tangent to a circle Ex 10.1	

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							Number of tangents from a point on a circle Ex 10.2	
	III	07-12	**09-13– Autumn Break** **12- Dussehra**	02		CH10:Circles	Ex 10.2 continued	
	IV	14-19	**17-Maharishi Valmiki's Birthday** **19 – Working Saturday (Open House VI-XII)**	05		CH5:Arithmetic progression	Introduction Ex 5.1 Nth term of an arithmetic progression Ex 5.2	
	V	21-25	**20– Karwa Chouth**	05		CH5:Arithmetic progression CH 12: Surface area and volumes	Sum of first nth terms of an AP Ex 5.3 Introduction Surface area of a combination of solids Ex 12.1	
	VI	28-31	**30-03 Nov – Diwali Break**	02		CH 12: Surface area and volumes	Ex 12.1 continued	
***** Autumn Break 09-13 Oct 2024 *****								

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Nov-24	I	04-09	**09 – Working Saturday (Students)**	06		CH 12: Surface area and volumes	Volume of a combination of solids Ex 12.2	
	II	11-15	**12 – Annual Day** **15 – Guru Nank's Birthday**	04		REVISION	REVISION	
	III	18-22		05				**PT-II (VI-VIII):** 19 Nov-10 Dec **PT-III (IX)**: 19 Nov-10 Dec **PT-III (X):** 14 Nov-25 Nov Ch.-1 Real Numbers Ch.-2 Polynomial Ch.-3 Pair of Linear Equations in two variables Ch.-4Quadratic Equations Ch.-5Arithmetic Progressions Ch.-6 Triangles Ch.-7 Coordinate Geometry Ch.-8 Introduction to Trigonometry Ch-9 – Some applications of trigonometry Ch.-10 Circles Ch.-11 Areas related to circles Ch.-12 Surface area and volumes Ch-13 Statistics
	IV	25-30	**29,30 – Annual Athletic Meet**	06				
Dec-24	**I**	02-07	**07 – Sports Day**	06				
	II	09-13		05				

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								Ch.-14 Probability **MPB (XII):** 14 Nov-25 Nov
	III	16-21	**21-Working Saturday, Open House (X & XII)**	06				
	IV	23	**24,25 – Christmas Holidays**	01				
***** Winter Break from 26 Dec to 04 Jan 2025 *****								
Jan-25	I	06-10		05				
	II	13-18	**18-Working Saturday, Open House (VI-IX, XI)**	06				
	III	20-25	**25-Citation Ceremony** **25-Open House XII** **26-Republic Day**	06				
	IV	27-31		05				
Feb-25	I	01	**01 – Farewell XII** **01- Open House X**	01				
	II	03-07		05				**Annual Exam Class IX & XI – 05 Feb-19 Feb**

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								2025
	III	10-14		05				
	IV	17-22	**22-Working Saturday (students)**	06				
	V	24-28	**26-Maha Shivratri**	04				
Mar-25	**Annual Exam Classes VI-VIII – 25 Feb-10 Mar 2025**							

Note: The examination syllabus as mentioned above is to be considered Tentative. The final syllabus for each exam will be uploaded on the website along with the Date Sheet at the time of the examination.